

# Cave and mine use by tree-roosting bats

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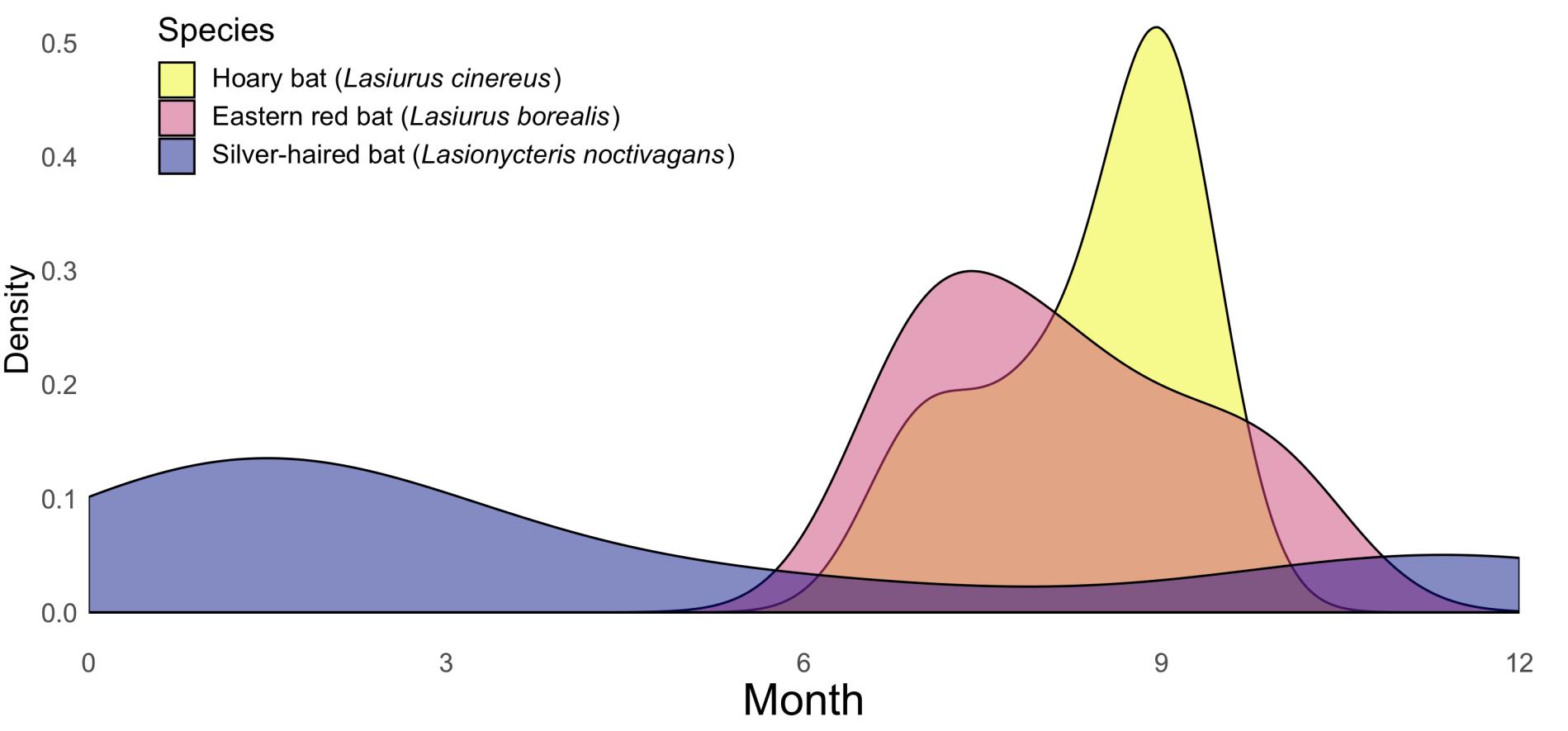
## Tree bats aren't always in trees

- The roosting and general habitat preferences of migratory North American "tree-roosting" bats are poorly-understood.
- We conducted a review of records of these bats found within caves and mines, habitats they aren't commonly thought to use.
- Tree-roosting bats are infrequently but regularly observed using cave and mine habitats:
  - Lasiusurus* primarily in the fall (during mating and migration season)
  - Lasionycteris* primarily while overwintering.

## What does it mean?

- Lasiusurus* may enter caves and mines during fall swarm / migration
  - Accidental entry or deliberate (though rare) habitat use?
- Lasionycteris* uses caves and mines to overwinter
  - Important, understudied habitat use
- Implications for these species as potential vectors of White-nose syndrome (WNS)

## Densities of observations of living individuals found in caves or mines over the course of a year



## Where did we find records?

- In the literature
  - By search term and citation. All records cite primary sources.
- Museum databases
  - Parsed matches with "cave", "mine", "grotto", "quarry", or "grotte" (French)
- Community-science platform
  - We parsed through all photos of each species on iNaturalist.org

Send us  
your  
records!

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